

Niles Audio Corporation, Inc.



## AC-3 VOLTAGE ACTIVATED AC OUTLET HOOKUP & OPERATING INSTRUCTIONS

### INTRODUCTION

The AC-3 is a voltage activated AC outlet strip. The AC-3 can be used to control the AC power of amplifiers, source components, surround sound systems, or for any application where a voltage-activated AC outlet is preferred.

The AC-3 has three grounded outlets – two switched and one unswitched. The two switched outlets are activated by applying 12 volts DC to the AC-3's "Control Input" connector. A "Control Output" connector is also provided (it is connected internally in parallel with the Control Input). The Control Output can be used to control additional AC-3's by "daisy-chaining" the Control Output of one unit to the Control Input of the next. Connecting two AC-3's this way gives you four switched and two unswitched outlets. Connecting three units together gives you six switched and three unswitched outlets, and so on. A maximum of 6 AC-3's may be "daisy-chained" together.

The Control Output can also be connected to other Niles automated switching devices, such as the AVS-2 Voltage Activated Audio/Video A-B Switch, the SPK-1 Voltage Activated Amplifier A-B Switch and the RFS-1 Voltage Activated RF A-B Switch.

Although there are many applications for the AC-3 on its own, the unit is designed primarily to be used as an expansion unit for the Niles SAS-1 Signal Activated A-B Switch. The SAS-1 is an automatic A-B switch designed to replace manually operated A-B switches. It automatically switches from A to B when a signal is present at its B input. It can switch any combination of line-level audio, speaker-level audio and composite video signals. It can be configured to use any of these sources as its "trigger". Since the SAS-1 also has a Control Output connector, it can be used as the "Master" unit which activates other "Slave" units such as the Niles SPK-1, AVS-2 and AC-3. Please refer to our product catalog for more information on these and other Niles switching systems.

### CONNECTIONS

Refer to figures 1 through 4 on the reverse side for details.

Connect the 12 volt DC source which will activate the AC-3 to the "CONTROL IN" connector. An optional DC adapter is available from Niles Audio (order part# XF00019). BE SURE TO OBSERVE PROPER POLARITY WHEN MAKING THIS CONNECTION.

Note: When a single AC-3 will be activated by two (or more) 12 volt DC sources, a "blocking diode" must be connected in series with the positive lead of each voltage source. Refer to figure 3 on the reverse side for the hookup diagram.

Any other switching devices to be activated at the same time as the AC-3 may be "daisy chained" together by using the "CONTROL OUT" connector.

12331 SW 130 Street  
Miami, Florida 33186

PO Box 150618  
Miami, Florida 33116-0618

Tel 305/238-4373  
Fax 305/238-0185

**Note:** If you are using multiple AC-3's and are plugging them into the same wall outlet, be sure not to exceed the maximum amount of current available from the wall outlet. If in doubt, locate the electrical service panel containing the circuit breaker for that outlet and check the amperage rating. A wall outlet connected to a 15 Amp circuit breaker allows you to draw 1440 watts and a 20 Amp circuit breaker provides 1920 watts.

## SPECIFICATIONS

AC Power Handling	1500 Watts maximum, all outlets combined
Power Requirements	12 Volts DC at .1 Amp (100 millamps)
Dimensions	5 1/4" Wide x 2 1/4" High x 4 1/4" Deep
Weight	2 lbs.